

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION III

841 Chestnut Building
Philadelphia, Pennsylvania 19107

SUBJECT: RCRA Inspection

~~Appalachian Power Co.~~
~~John Amos Plant - St. Albans~~
~~WV 78-03-2621~~

DATE: 12/17/87

FROM: *DA* Douglas A. Donor, Environmental Scientist
DELMARVA, DC, WV RCRA Enforcement Section (3HW15)

TO: FILE

THRU: John A. Armstead, Chief *C.P.J. 12/15/87*
DELMARVA, DC, WV RCRA Enforcement Section (3HW15)

BASED UPON REVIEW OF THE RCRA INSPECTION REPORT FOR THE FACILITY
REFERENCED ABOVE, I HAVE DETERMINED THAT NO FURTHER ACTION IS
REQUIRED AT THIS TIME.



STATE OF WEST VIRGINIA
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF WASTE MANAGEMENT

1260 Greenbrier Street
Charleston, West Virginia 25311

September 29, 1987

ARCH A. MOORE, JR.
Governor

RONALD R. POTESTA
Director

ROBERT K. PARSONS
Deputy Director

Tom Worstell
Appalachian Power Company
John Amos Plant
P.O. Box 2021
Roanoke, Virginia 24022

OCT 21 1987
RCRA COMPLIANCE SECTION
RECEIVED

Dear Mr. Tom Worstell:

Enclosed is a copy of the "Compliance Evaluation Inspection" (CEI) Report completed on your facility by representatives of the Chief of the Division of Waste Management. This report is based on the inspection conducted September 22, 1987; also enclosed is a copy of the EPA Notification of Hazardous Waste Activity booklet.

There were no areas of non-compliance of the appropriate Hazardous Waste Management Regulations documented during the inspection.

Thank you for your assistance and cooperation during the inspection. If you have any questions concerning the inspection or attached report, please feel free to contact this office at (304) 348-5929.

Sincerely,

DIVISION OF WASTE MANAGEMENT

Ava C. Zeitz, Section Leader
Compliance Monitoring & Enforcement

ACZ:sh

Enclosure

cc: ~~Donor, EPA, Region III~~
Rebecca J. Robertson, Inspector

INSPECTION FACT SHEET

COMPANY NAME: Appalachian Power Company
John Amos Plant

I. D. #: WVD980554646

MAILING ADDRESS: P.O. Box 2021
Roanoke, VA 24022

TYPE OF FACILITY: SQG

LOCATION: Rt. 35, Morgan's Landing
near St. Albans, WV

COUNTY: Putnam

COMPANY CONTACT: Tom Worstell, Danny Gray

HANDLING CODES:

PHONE: (304) 755-5301

PURPOSE: To conduct a RCRA Compliance Evaluation Inspection of a Conditionally Exempt Small Quantity Generator.

APPLICABLE REGULATIONS: West Virginia Hazardous Waste Management Regulations; Chapter 20, Article 5E; and 40 CFR, Part 260-266.

LIST OF CHEMICALS:

(For Small Quantity Generators, list amount of waste, how it is handled; where it goes)
Doo1; < 220 lbs./month - burned with waste oil and coal for energy recovery in a electric generating facility.

DATE INSPECTED: September 22, 1987

INSPECTORS: (1) Rebecca J. Robertson, Supervisor
(2)
(3)

DATE PREPARED: September 23, 1987

PREPARED BY: Rebecca J. Robertson

TABLE OF CONTENTS

Location Map

Inspection Report

Compliance Evaluation

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Site Map

DATE PREPARED: September 23, 1987

PREPARED BY: Rebecca J. Robertson, Supervisor

SUBJECT: Compliance Evaluation Inspection of,
John Amor Power Plant,
Morgans Landing, Putnam County

DATE OF INSPECTION: September 22, 1987

On September 22, 1987, the above conducted a Compliance Evaluation Inspection of John Amos Power Plant, Appalachian Power Company. The facility has advised the Division that they plan to maintain the identification number although they do not generate hazardous waste. I advised the facility they are generating hazardous waste, an ignitable solvent. The MSDS indicates the Stoddard Solvent has a flash point of 55°F, and the Varsol has a flash of 100°F. Both are hazardous according to the MSDS however, analytical work has been done on samples which indicates that the flash of the Varsol waste is greater than 140°F. Solvents are used in the lab for cleaning glassware and in the machine shops for parts cleaning. When waste is generated, it is placed in the coal hopper which is being used and the material is burned for energy recovery. The Stoddard solvent is being placed on the coal pile (inside the hopper).

Records indicate the company is generating less than 220 lbs. per month making them a Small Quantity Generator who is conditionally exempted. Better records should be kept, however, since the facility has no hard records and they are only maintaining use data.

When a lab container of solvent is generated, it is taken and poured into the waste oil tank. Waste oil is analyzed only for PCB content. At less than 1 ppm PCB's, it is burned with the coal; 1-49 ppm is sent to the Glen Lynn Plant in Virginia; and greater than or 50 ppm is sent to Rollins Incinerators at Deerpark, Texas.

Danny Gray, Senior Environmental Engineer, contacted me on September 23, 1987 regarding what the facility was doing in regards to Hazardous Waste Management. From information collected it appears the facility is in compliance with the Small Quantity Generator Regulations.

Compliance Evaluation:

No violations were noted during the inspection.

Inspector Concerns:

The following concerns was noted during the inspection:

1. Records of disposal should be kept to maintain quantity descriptions.
2. Facility needs to submit a subsequent notification since they withdrew Part A and previous notification is incorrect.



SCALE 1:24 000

(S) - Indicates Storm Water Outfall

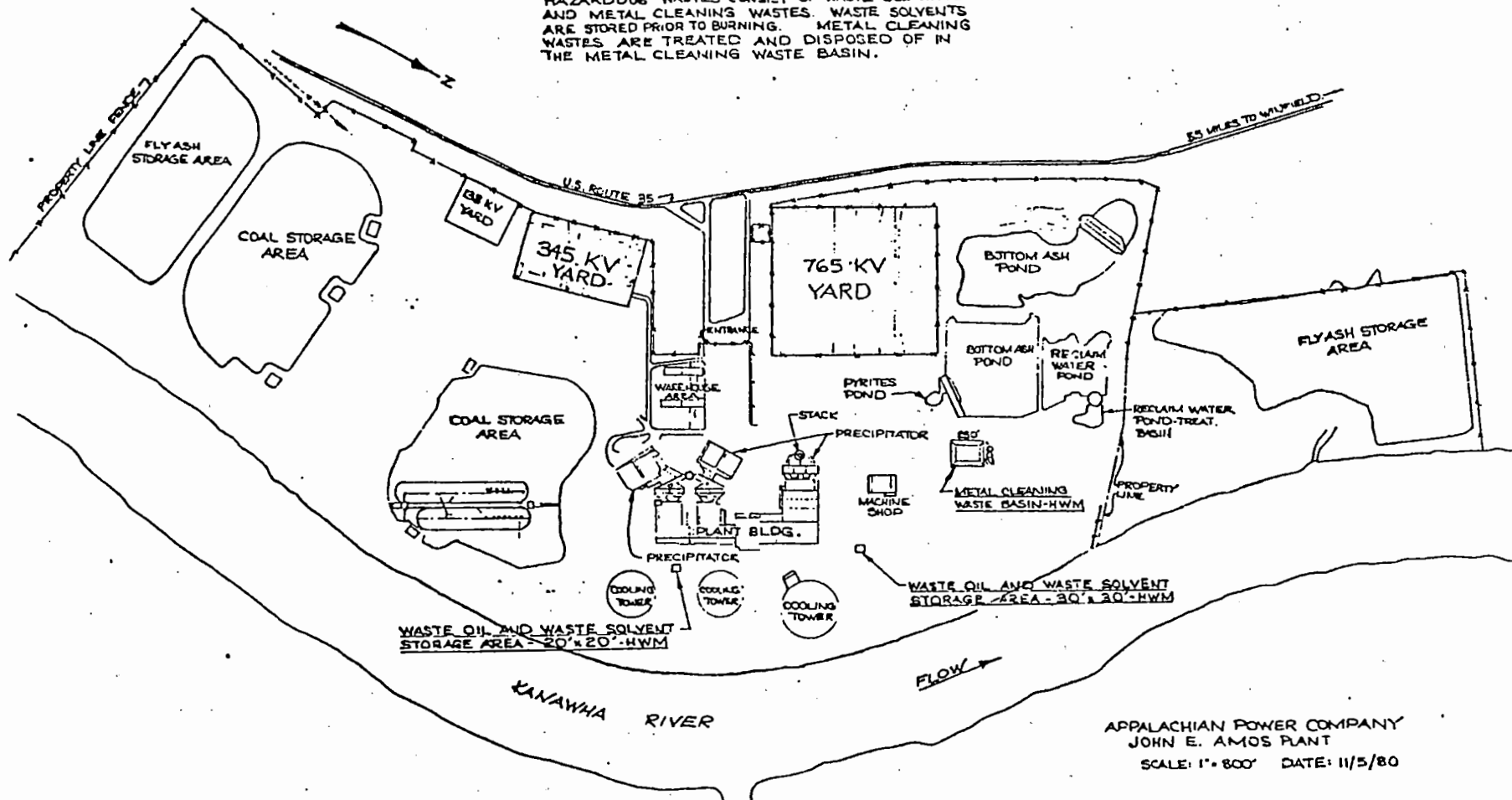


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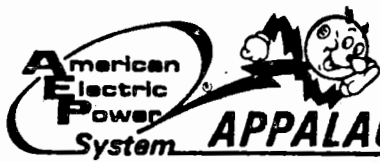
STU AND THE
DECLARATION OF

V. FACILITY DRAWING

NOTE: HAZARDOUS WASTES CONSIST OF WASTE SOLVENTS AND METAL CLEANING WASTES. WASTE SOLVENTS ARE STORED PRIOR TO BURNING. METAL CLEANING WASTES ARE TREATED AND DISPOSED OF IN THE METAL CLEANING WASTE BASIN.



APPALACHIAN POWER COMPANY
JOHN E. AMOS PLANT
SCALE: 1" = 800' DATE: 11/5/80



APPALACHIAN POWER CO.

Post Office Box 2021, Roanoke, Virginia 24022

Telephone: area code (703) 985-2300

April 29, 1985

CERTIFIED LETTER

Mr. Stephen R. Wassersug, Director
Hazardous Waste Management Division
U.S. Environmental Protection Agency
Region III
841 Chestnut Building
Philadelphia, Pennsylvania 19107

Re: WVD 980554646
John E. Amos Plant

Dear Mr. Wassersug:

In response to your letter concerning the Appalachian Power Company facility listed above, we are submitting the following response.

Appalachian Power Company submitted a Part A hazardous waste permit application for the above-listed facility on December 17, 1980 as a precautionary measure to preserve the privileges offered as an interim status facility. On May 19, 1982, Appalachian Power Company filed an amendment to the application which removed the storage and disposal listing for the surface impoundment.

On February 23, 1984, Appalachian Power Company filed a letter requesting that the Part A application for this facility be withdrawn since no hazardous wastes were treated at this facility during the interim status period. Since no hazardous wastes were treated, stored, or disposed of at this facility, a Part B application is not required and closure of the facility units is not required.

Pursuant to my conversation with Mr. Harry Harbold, I am attaching copies of analyses of a boiler cleaning waste stream.

If you should have additional questions, please contact me at (703) 985-2376.

Sincerely,

Danny L. Gray
Danny L. Gray, P.E.
Environmental Engineer Senior

DLG:d
Attachments

cc: ✓ Mr. Harry Harbold, 3HW31
U.S. Environmental Protection Agency
Region III
841 Chestnut Building
Philadelphia, Pennsylvania 19107

MR ROBIDA
DE Kettlwell
RE Northrup
I Worstell

Form MED-20-5 (3/81) APR 15 1983

AMERICAN ELECTRIC POWER SERVICE CORPORATION
GENERAL LABORATORY ENVIRONMENTAL ENGINEERING DIVISION

Mail Address
P.O. Box 565
Huntington, WV 25710

Parcel Post and Express Address
1122 Seventh Avenue
Huntington, WV 25701

Company & Facility AP Co, John Amos Plant

NPDES Permit No. (if applicable) _____

Outfall No. (if applicable) _____

Sample Collection: (Date) 4-2-83 (Time) 1535-1635 (Source) Unit 2
Chemical Cleaning Composite

Sample Received: (Date) 4-6-83 (Analysis No.) D83039

STORET #	PARAMETER	mg/L
01022	Boron, B	_____
71870	Bromide, Br	_____
00940	Chloride, Cl	_____
00340	COD	_____
00720	Cyanide, CN	_____
00951	Fluoride, F	_____
00610	Nitrogen, Ammonia, NH ₃	_____
00630	Nitrogen, Nitrate-Nitrite	_____
00620	Nitrogen, Nitrate, NO ₃	_____
00615	Nitrogen, Nitrite, NO ₂	_____
00605	Nitrogen, Total Organic	_____
00665	Phosphorus, P	_____
00955	Silica, SiO ₂	_____
00945	Sulfate, SO ₄	_____
00745	Sulfide, S	_____
38260	Surfactants, MBAS	_____
00625	TKN, N	_____
00680	TOC, C	_____
39516	PCBs	_____
32730	Phenolics	_____
00403	pH, Lab @ 25°C	_____

		mg/L
70508	Acidity, CaCO ₃	_____
00410	Alkalinity, CaCO ₃	_____
50064	Chlorine, FAC	_____
50060	Chlorine, TRC	_____
00900	Hardness, Total CaCO ₃	_____
00556	Oil & Grease	_____
70300	Residue, Filterable	_____
00530	Residue, Nonfilterable	_____
00500	Residue, Total	_____
00505	Residue, Volatile	_____
00740	Sulfite, SO ₃	_____
00080	Color, Pt-Co Units	_____
00083	Color, Visual Severity	_____
00056	Flow, GPD	_____
00058	Flow, GPM	_____
50050	Flow, MGD	_____
01330	Odor, Severity	_____
00400	pH, Field	_____
00403	pH, Lab @ 25°C	_____
00095	Sp. Cond. μ mhos @ 25°C	_____
00010	Temp. °C	_____
00011	Temp. °F	_____
00076	Turbidity, NTU	_____
01350	Turbidity, Severity	_____

STORET #	PARAMETER	μ g/L
01105	Aluminum, Al	_____
01097	Antimony, Sb	_____
01002	Arsenic, As	_____
01007	Barium, Ba	_____
01012	Beryllium, Be	_____
01027	Cadmium, Cd	_____
01032	Chromium, +6Cr	_____
01034	Chromium, Cr	_____
01037	Cobalt, Co	_____
01042	Copper, Cu	_____
01045	Iron, Fe	_____
01051	Lead, Pb	_____
01055	Manganese, Mn	_____
71900	Mercury, Hg	_____
01062	Molybdenum, Mo	_____
01067	Nickel, Ni	_____
01147	Selenium, Se	_____
01077	Silver, Ag	_____
01059	Thallium, Tl	_____
01102	Tin, Sn	_____
01152	Titanium, Ti	_____
01087	Vanadium, V	_____
01092	Zinc, Zn	_____
00916	Calcium, Ca	_____
74010	Iron, Fe	_____
00927	Magnesium, Mg	_____
00937	Potassium, K	_____
00929	Sodium, Na	_____
00310	BOD ₅ , mg/L	_____
31616	Fecal Coliform, #/100ml	_____
34466	Phenol, μ g/L	_____

Analysis by: SSS, Amos J. Partridge

Report Issued By: W. B. Partridge

Date Issued: 4-11-83

RECEIVED
APR 1983
ENV. AFFAIRS

NOTES: Analysis by EP TOXICITY Test PROCEDURE
Federal Register / Vol 45, No 98 p 33127
* Current Instrument Sensitivity

AMERICAN ELECTRIC POWER SERVICE CORPORATION
GENERAL LABORATORYMail Address
P.O. Box 565
Huntington, WV 25710Parcel Post and Express Address
1122 Seventh Avenue
Huntington, WV 25701

Company & Facility

Central OP Co, Philip Sporn Plant

NPDES Permit No. (if applicable)

Outfall No. (if applicable)

Sample Collection: (Date)

(Time)

(Source)

CompositeFrom #5 Chemical Cleaning

Sample Received: (Date)

(Analysis No.)

46548

STORET # PARAMETER

mg/L

01022 Boron, B
71870 Bromide, Br
00940 Chloride, Cl
00340 COD
00720 Cyanide, CN
00951 Fluoride, F
00610 Nitrogen, Ammonia, NH₃
00630 Nitrogen, Nitrate-Nitrite
00620 Nitrogen, Nitrate, NO₃
00615 Nitrogen, Nitrite, NO₂
00605 Nitrogen, Total Organic
00665 Phosphorus, P
00955 Silica, SiO₂
00945 Sulfate, SO₄
00745 Sulfide, S
38260 Surfactants, MBAS
00625 TKN, N
00680 TOC, C

µg/L

39516 PCBs
32730 Phenolics

Misc. units

00403 pH, Lab @ 25°C

mg/L

70508 Acidity, CaCO₃
00410 Alkalinity, CaCO₃
50064 Chlorine, FAC
50060 Chlorine, TRC
00900 Hardness, Total CaCO₃
00556 Oil & Grease
70300 Residue, Filterable
00530 Residue, Nonfilterable
00500 Residue, Total
00505 Residue, Volatile
00740 Sulfite, SO₃

Misc. units

00080 Color, Pt-Co Units
00083 Color, Visual Severity
00056 Flow, GPD
00058 Flow, GPM
50050 Flow, MGD
01330 Odor, Severity
00400 pH, Field
00403 pH, Lab @ 25°C
00095 Sp. Cond. µmhos @ 25°C
00010 Temp. °C
00011 Temp. °F
00076 Turbidity, NTU
01350 Turbidity, Severity

STORET # PARAMETER

µg/L

01105 Aluminum, Al
01097 Antimony, Sb
01002 Arsenic, As
01007 Barium, Ba
01012 Beryllium, Be
01027 Cadmium, Cd
01032 Chromium, +6Cr
01034 Chromium, Cr
01037 Cobalt, Co
01042 Copper, Cu
01045 Iron, Fe
01051 Lead, Pb
01055 Manganese, Mn
71900 Mercury, Hg
01062 Molybdenum, Mo
01067 Nickel, Ni
01147 Selenium, Se
01077 Silver, Ag
01059 Thallium, Tl
01102 Tin, Sn
01152 Titanium, Ti
01087 Vanadium, V
01092 Zinc, Zn

mg/L

00916 Calcium, Ca
74010 Iron, Fe
00927 Magnesium, Mg
00937 Potassium, K
00929 Sodium, Na

00310 BOD₅, mg/L
31616 Fecal Coliform, #/100ml
34466 Phenol, µg/L

Analysis by: SSS
PCH, JH, JB, AMWReport Issued By: W. E. RowleyDate Issued: 11/18/81

NOTES:

R.E. Northrop notified by phone sample
V. Bailey non-hazardous 11/18/81

~~ELK R 2200~~
~~GENERAL LABORATORY~~
D.E. KETTLEWELL
M.R. ROBIDA

TW WORSTELL

AMERICAN ELECTRIC POWER SERVICE CORPORATION
GENERAL LABORATORY

Mail Address
P.O. Box 565
Huntington, WY 25710

Parcel Post and Express Address
1122 Seventh Avenue
Huntington, WY 25701

Company & Facility APCO, JOHN AMOS PLANT

NPDES Permit No. (if applicable) _____

Outfall No. (if applicable) _____

Sample Collection: (Date) 12-31-81 (Time) 1400 (Source) _____

METAL TREATING POND PUMP LINE

Sample Received: (Date) 3-11-82 (Analysis No.) C82165

STORET #	PARAMETER	mg/L
01022	Boron, B	_____
71870	Bromide, Br	_____
00940	Chloride, Cl	_____
00340	COD	_____
00720	Cyanide, CN	_____
00951	Fluoride, F	_____
00610	Nitrogen, Ammonia, NH ₃	_____
00630	Nitrogen, Nitrate-Nitrite	_____
00620	Nitrogen, Nitrate, NO ₃	_____
00615	Nitrogen, Nitrite, NO ₂	_____
00605	Nitrogen, Total Organic	_____
00665	Phosphorus, P	_____
00955	Silica, SiO ₂	_____
00945	Sulfate, SO ₄	_____
00745	Sulfide, S	_____
38260	Surfactants, MBAS	_____
00625	TKN, N	_____
00680	TOC, C	_____
		µg/L
39516	PCBs	_____
32730	Phenolics	_____
		Misc. units
00403	pH, Lab @ 25°C	_____

70508	Acidity, CaCO ₃	_____
00410	Alkalinity, CaCO ₃	_____
50064	Chlorine, FAC	_____
50060	Chlorine, TRC	_____
00900	Hardness, Total CaCO ₃	_____
00556	Oil & Grease	_____
70300	Residue, Filterable	_____
00530	Residue, Nonfilterable	_____
00500	Residue, Total	_____
00505	Residue, Volatile	_____
00740	Sulfite, SO ₃	_____
		Misc. units
00080	Color, Pt-Co Units	_____
00083	Color, Visual Severity	_____
00056	Flow, GPD	_____
00058	Flow, GPM	_____
50050	Flow, MGD	_____
01330	Odor, Severity	_____
00400	pH, Field	_____
00403	pH, Lab @ 25°C	_____
00095	Sp. Cond. µmhos @ 25°C	_____
00010	Temp. °C	_____
00011	Temp. °F	_____
00076	Turbidity, NTU	_____
01350	Turbidity, Severity	_____

STORET #	PARAMETER	µg/L
01105	Aluminum, Al	_____
01097	Antimony, Sb	_____
01002	Arsenic, As	<u>220</u>
01007	Barium, Ba	<u>378</u>
01012	Beryllium, Be	_____
01027	Cadmium, Cd	<u>20</u>
01032	Chromium, +6Cr	<u>000</u>
01034	Chromium, Cr	<u>32</u>
01037	Cobalt, Co	_____
01042	Copper, Cu	_____
01045	Iron, Fe	_____
01051	Lead, Pb	<u>20</u>
01055	Manganese, Mn	_____
71900	Mercury, Hg	<u>.3</u>
01062	Molybdenum, Mo	_____
01067	Nickel, Ni	_____
01147	Selenium, Se	<u>220</u>
01077	Silver, Ag	<u>2100</u>
01059	Thallium, Tl	_____
01102	Tin, Sn	_____
01152	Titanium, Ti	_____
01087	Vanadium, V	_____
01092	Zinc, Zn	_____
		mg/L
00916	Calcium, Ca	_____
74010	Iron, Fe	_____
00927	Magnesium, Mg	_____
00937	Potassium, K	_____
00929	Sodium, Na	_____

00310	BOD ₅ , mg/L	_____
31616	Fecal Coliform, #/100ml	_____
34466	Phenol, µg/L	_____

Analysis by: PCH, AMW, JSS, JLB, WCR

Report Issued By: WCR

Date Issued: 4-7-82

NOTES:

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region III - 877 Chestnut St.

Philadelphia, Pa. 19107

SUBJECT: RCRA Inspection *Appalachian Power Company*
John Amos Plant
St. Albans WV *WVD 98 0554676*
FROM: *DAD* Douglas A. Donor, Environmental Scientist
RCRA Enforcement Section (3HW11)

DATE: *July 22, 1998*

TO: File

Thru: *PS* Peter W. Schaul, Chief
RCRA Enforcement Section (3HW11)

BASED UPON REVIEW OF THE RCRA INSPECTION REPORT FOR THE FACILITY
REFERENCED ABOVE, I HAVE DETERMINED THAT NO FURTHER ACTION IS
REQUIRED AT THIS TIME.



STATE OF WEST VIRGINIA
DEPARTMENT OF NATURAL RESOURCES
CHARLESTON 25305

ARCH A. MOORE, JR.
Governor

July 9, 1985

RONALD R. POTESTA
Director

MICHAEL A. FOTOS
Deputy Director

Mr. Danny Gray
Appalachian Power Company
John Amos Plant
Rt. 35
St. Albans, WV 25177

RCRA COMPLIANCE SECTION
RECEIVED
JUL 15 1985

Re: CEI - WVD980554646 - 6/12/85

Dear Mr. Gray:

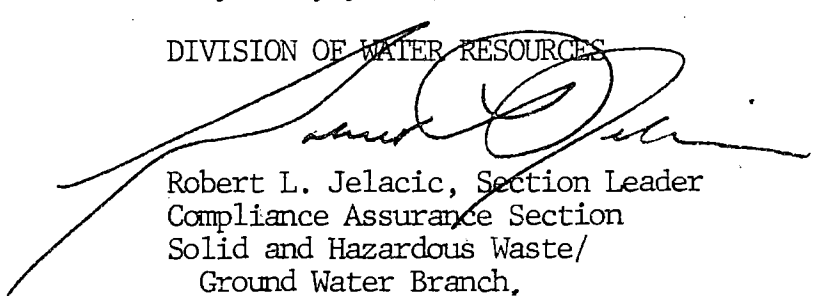
Enclosed is a copy of the "Compliance Evaluation Inspection" (CEI) Report completed on your facility by representatives of West Virginia's Division of Water Resources. This report is based on the inspection conducted on June 12, 1985.

There were no areas of non-compliance of the appropriate Hazardous Waste Regulations documented during this inspection.

Thank you for your assistance and cooperation during this inspection. If you should have any questions concerning the inspection or attached report, please feel free to call.

Very truly yours,

DIVISION OF WATER RESOURCES


Robert L. Jelacic, Section Leader
Compliance Assurance Section
Solid and Hazardous Waste/
Ground Water Branch,

RLJ/nl
Enclosure

cc: Doug Donor, USEPA, Region III ✓
Rebecca J. Robertson, WVDWR

INSPECTION DATA SHEET
COMPANY NAME: Appalachian Power Co., John Amos Plant

ID # WVD980554646

ADDRESS: Rt. 35
St. Albans, WV 25177

TYPE OF FACILITY: Small Q
Generat

COMPANY CONTACT: Tom Worstell, Chief Chemist
Danny Gray, Environmental Engineer (Senior)

PHONE: (304) 755-5301

PURPOSE: To conduct a Compliance Evaluation Inspection at an interim status facility.

APPLICABLE REGULATIONS: Hazardous Waste Management Act, Chapter 20, Article 5E;
West Virginia Administrative Regulations for Chapter 20-5E;
and 40 CFR - Part 265.

LIST OF CHEMICALS: None.

DATE INSPECTED: 6/12/85

INSPECTORS: (1) Rebecca J. Robertson, Water Resources Inspector, DWR/DNR

(2) Gary Blackhurst, Water Resources Inspector, DWR/DNR

Prepared by: Rebecca J. Robertson on 6/14/85.

Table of Contents

Location Map

Inspection Report

Attachments -

"A" - Checklist for Small Quantity Generators

"B" - APCO letter of February 23, 1984

"C" - APCO letter of April 29, 1985

"D" - Leachate Analysis, March 11, 1982

"E" - Waste Sample I.D. sheet

"G" - APCO Letter, June 3, 1983

"H" - Site Map

Prepared by: Rebecca J. Robertson

Subject: Compliance Evaluation Inspection (CEI) of John Amos Plant, Appalachian Power Company, St. Albans, Putnam County, WV - WVD980554646.

Date Inspected: 6/12/85

On the above date, this inspector with Gary Blackhurst, Inspector conducted a CEI at the above facility at 1000 hrs. Mr. Tom Worstell, Chief Chemist and Danny Gray, Environmental Engineer Senior, from Roanoke, Virginia were the representatives of the company during the inspection. Inspector Robertson advised Mr. Worstell and Mr. Gray that the inspection was under authority of Section 3007(a) of the Resource Conservation and Recovery Act (RCRA) and Chapter 20, Article 5E, and that during the inspection any confidential information or trade secrets would be treated as such and were covered by Section 3007(b) of RCRA, and 40 CFR, Part 2. Both consented to continue the inspection.

Initially, the permit status of the facility was discussed. Recently, (February 23, 1984) the Appalachian Power Company submitted a letter to the EPA withdrawing their Part A application, stating that any waste generated at the facility would be accumulated less than 90 days and shipped for off-site disposal. On April 29, 1985, a letter was submitted by APCO stating they had treated no hazardous waste during their interim status period. The facility's boiler cleaning waste stream was not considered hazardous and, therefore, the facility contends they have treated no hazardous waste and are requesting they be treated as a small quantity generator rather than a TSD and Generator facility. At this time (letter of June 3), they are requesting to maintain their ID number for precautionary measures.

The facility provides electric services, and wastes generated (waste oil and Varsol, a solvent) are mixed in a large tank and are distributed on a coal pile for added heat value, thus beneficially using this mixture (referenced letters are enclosed in the report).

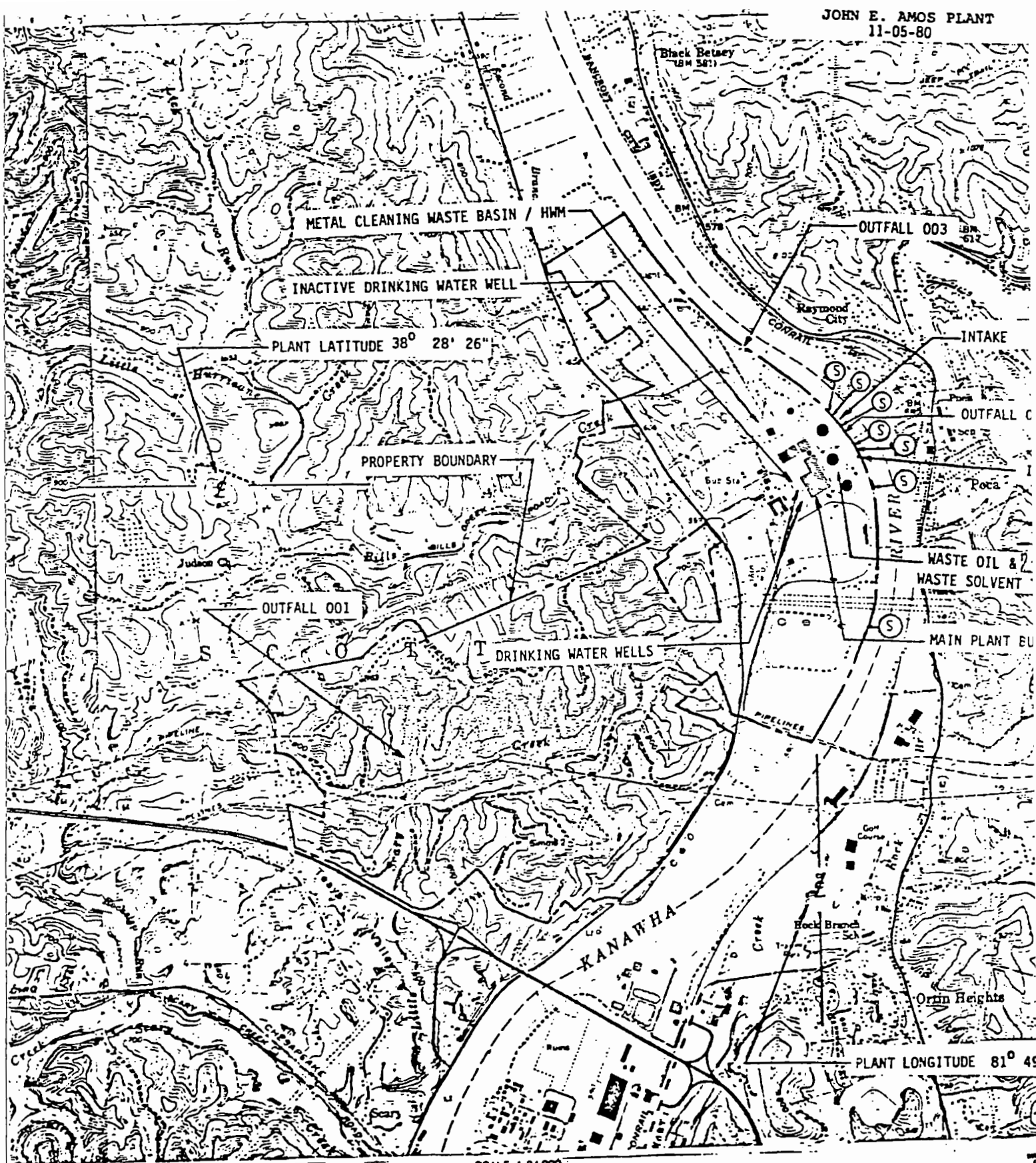
During our inspection the facility stated they had no hazardous waste on site at this time. Waste oil and solvent tanks (3) were inspected during the physical inspection. Since they are not considered as hazardous waste, the tanks are not labeled as such.

The metal cleaning pond, which the facility originally notified for, has been removed as a treatment area for hazardous waste since they have never treated waste at that part of the facility. The waste stream from the cleaning of the boiler tubes, generated once per year, is usually a pH of 3-10, and the metals are within standards for E.P. Toxicity. Therefore, they are not considered as hazardous (see results following April 29, 1985 letter). The waste enters the pond and is treated with lime and then discharged after a period of agitation and settling, through an NPDES permitted outfall.

The Small Quantity Generator checklist was completed and a tour of the facility was then made. Several drums were noticed on the facility, most containing waste oil and marked as such, and others containing products. All waste generated are shipped to Rollins at Deerpark, Texas. No containers were found containing hazardous waste.

At this time, the inspectors completed the physical tour and returned to the office to close the inspection. The findings were discussed and the inspection completed at 1130 hours.

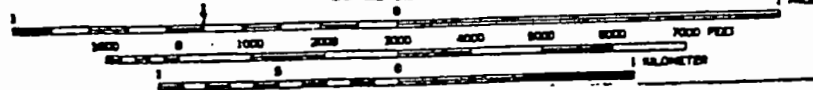
A Small Quantity Generator's Checklist was completed due to the facility's withdrawal of Part A, and since the company claims no hazardous waste has been treated, stored, or disposed of at the site. It is questioned as to whether this should be done since there is no notification that the withdrawal has been acknowledged or accepted.



USGS Maps:

Saint Albans Quadrangle
Bancroft Quadrangle
Winfield Quadrangle
Scott Depot Quadrangle

SCALE 1:24,000



Contour Interval 20 Feet

(S) - Indicates Storm Water Outfall



QUADRANGLE LOCATION

UTM GRID AND 11
DECLINATION AT

Name of Facility: ARCO - John Amos Plant
 Address: (Rt. 35)
St Albans, W.V. 25177
 EPA Generator ID Number: WVD 980 554 646
 Title: Danny Gray, Environmental Engineer, Sr.
Tom Worstell, Chief Chemist
 Telephone Number: (304) 755 - 5301

Inspection file

Reviewer:

Date Reviewed:

Form "C"

The questions contained in this checklist apply to owners and operators who are small quantity generators (less than 1000 kg per month).

1. Has the facility identified all hazardous wastes generated on site in accordance with §262.11? (Yes) A

2. What types of waste are generated at the facility and the quantity of each per month? None at this time.

3. Does the facility treat or dispose of its hazardous waste in an on-site facility; or

ensure delivery to an off-site treatment, storage or disposal facility? If waste is generated. (Yes)

4. Does either the on-site (treatment, disposal) or off-site (treatment, storage or disposal) facility?

A. Have a Federal hazardous waste permit? (Yes)

B. Have interim status? (Yes)

C. Beneficially use or reuse, or legitimately recycle or reclaim hazardous waste? (Yes)

D. Treat waste prior to beneficial use or reuse, or legitimate recycling or reclamations? (Yes)

E. Have a State permit to manage industrial or municipal hazardous waste? (Yes)

5. Please list name, address and EPA I.D. number for each facility where each waste is disposed.

~~Rollins, Texas 77536~~
P.O. Box 609, 2027 Battleground Rd.
Deerpark, Texas 77536

6. Has the small quantity generator accumulated an amount of hazardous waste on-site, which is greater than?

A. 1000 Kilograms?

Yes

B. 1 Kilogram of acutely hazardous waste?

Yes

C. 100 Kilograms of any residue, contaminated soil, water or debris from a spill of hazardous waste?

Yes

7. If so,

A. Is the date upon which the accumulated amount in question 6 was reached clearly marked on the container?

Yes

B. Has the hazardous waste been stored at the facility for greater than 90 days from the accumulation date in (A) above?

Yes

C. Are the containers packaged, labeled and marked in accordance with DOT regulations?

Yes

D. Is the hazardous waste stored in an on-site facility, which has interim status or a State/Federal hazardous waste permit?

Yes

Inspector's Name:

Rebecca J. Robertson

Title:

Water Resources Inspector

Agency:

Div. of Water Resources / Dept. of Natural Resources
Solid & Hazardous Waste / Ground Water Branch

Office Location:

4867 Brenda Lane, Charleston, W.V. 25311

Date of Inspection:

6/12/85

Inspector's Name:

Gary Blackhurst

Title:

Water Resources Inspector

Agency:

DWR- DNR, SW/HW/GW Branch

Office Location:

4867 Brenda Lane, Charleston, W.V.

Date of Inspection:

6/12/85



APPALACHIAN POWER CO.

Post Office Box 2021, Roanoke, Virginia 24022

Telephone: area code (703) 985-2300

February 23, 1984

CERTIFIED LETTER

Ms. Joan Henry (3HW32)
U. S. Environmental Protection Agency
Region III
Sixth and Walnut Streets
Philadelphia, Pa. 19106

Re: Permit Withdrawal Report
Appalachian Power Company
John E. Amos Plant
EPA I.D. No. WVD980554646

Dear Ms. Henry:

On November 17, 1980, Appalachian Power Company (APCo) submitted to U. S. EPA, Region III, a hazardous waste permit application for the above facility in accordance with the Resource Conservation and Recovery Act (RCRA). The application was submitted as a precautionary measure to obtain interim status; however, to date no hazardous wastes have been treated, stored, or disposed.

Since APCo does not anticipate on-site treatment, storage, or disposal in the future, we are hereby withdrawing the Part A application and will not file a Part B application. Any hazardous waste that may be generated will be accumulated on-site for ninety days or less for off-site disposal.

If you have any questions concerning this letter or the facility, please call me at (703) 985-2429.

Sincerely,

Edward L. Kropp
Environmental Affairs Director

ELK:DLG:dd

cc: Ms. Bonnie Guy
U. S. EPA, Region III
Philadelphia, Pa. 19106



Post Office Box 2021, Roanoke, Virginia 24022
Telephone: area code (703) 985-2300

April 29, 1985

CERTIFIED LETTER

Mr. Stephen R. Wassersug, Director
Hazardous Waste Management Division
U.S. Environmental Protection Agency
Region III
841 Chestnut Building
Philadelphia, Pennsylvania 19107

Re: WVD 980554646
John E. Amos Plant

Dear Mr. Wassersug:

In response to your letter concerning the Appalachian Power Company facility listed above, we are submitting the following response.

Appalachian Power Company submitted a Part A hazardous waste permit application for the above-listed facility on December 17, 1980 as a precautionary measure to preserve the privileges offered as an interim status facility. On May 19, 1982, Appalachian Power Company filed an amendment to the application which removed the storage and disposal listing for the surface impoundment.

On February 23, 1984, Appalachian Power Company filed a letter requesting that the Part A application for this facility be withdrawn since no hazardous wastes were treated at this facility during the interim status period. Since no hazardous wastes were treated, stored, or disposed of at this facility, a Part B application is not required and closure of the facility units is not required.

Pursuant to my conversation with Mr. Harry Harbold, I am attaching copies of analyses of a boiler cleaning waste stream.

If you should have additional questions, please contact me at (703) 985-2376.

Sincerely,

Danny L. Gray
Danny L. Gray, P.E.
Environmental Engineer Senior

DLG:d
Attachments

U.S. Environmental Protection Agency
Region III
841 Chestnut Building
Philadelphia, Pennsylvania 19107

bc: C. E. Shay - Amos Plant
R. W. Reeves/T. E. Webb/A. R. Wood - Columbus

D.E. KETTLEWELL
M.R. ROBIDA

TW WAPSTELL

GENERAL LABORATORY

Mail Address
P.O. Box 565
Huntington, WV 25710

Parcel Post and Express Address
3122 Seventh Avenue
Huntington, WV 25703

Company & Facility APCO, JOHN AMOS PLANT

NPDES Permit No. (if applicable) _____

Outfall No. (if applicable) _____

Sample Collection: (Date) 12-31-81 (Time) 1400 (Source) _____

METAL TREATING POND PUMP LINE

Sample Received: (Date) 3-11-82 (Analysis No.) C82165

STORET #	PARAMETER	mg/L
01022	Boron, B	_____
71870	Bromide, Br	_____
00940	Chloride, Cl	_____
00340	COD	_____
00720	Cyanide, CN	_____
00951	Fluoride, F	_____
00610	Nitrogen, Ammonia, NH ₃	_____
00630	Nitrogen, Nitrate-Nitrite	_____
00620	Nitrogen, Nitrate, NO ₃	_____
00615	Nitrogen, Nitrite, NO ₂	_____
00605	Nitrogen, Total Organic	_____
00665	Phosphorus, P	_____
00955	Silica, SiO ₂	_____
00945	Sulfate, SO ₄	_____
00745	Sulfide, S	_____
38260	Surfactants, MBAS	_____
00625	TKN, N	_____
00680	TOC, C	_____
		µg/L
39516	PCBs	_____
32730	Phenolics	_____
		Misc. units
00403	pH, Lab @ 25°C	_____

70508	Acidity, CaCO ₃	_____
00410	Alkalinity, CaCO ₃	_____
50064	Chlorine, FAC	_____
50060	Chlorine, TRC	_____
00900	Hardness, Total CaCO ₃	_____
00556	Oil & Grease	_____
70300	Residue, Filterable	_____
00530	Residue, Nonfilterable	_____
00500	Residue, Total	_____
00505	Residue, Volatile	_____
00740	Sulfite, SO ₃	_____
		Misc. units
00080	Color, Pt-Co Units	_____
00083	Color, Visual Severity	_____
00056	Flow, GPD	_____
00058	Flow, GPM	_____
50050	Flow, MGD	_____
01330	Odor, Severity	_____
00400	pH, Field	_____
00403	pH, Lab @ 25°C	_____
00095	Sp. Cond. µmhos @ 25°C	_____
00010	Temp. °C	_____
00011	Temp. °F	_____
00076	Turbidity, NTU	_____
01350	Turbidity, Severity	_____

STORET #	PARAMETER	µg/L
01105	Aluminum, Al	_____
01097	Antimony, Sb	_____
01002	Arsenic, As	<u>220</u>
01007	Barium, Ba	<u>378</u>
01012	Beryllium, Be	_____
01027	Cadmium, Cd	<u>20</u>
01032	Chromium, +6Cr	<u>000</u>
01034	Chromium, Cr	<u>32</u>
01037	Cobalt, Co	_____
01042	Copper, Cu	_____
01045	Iron, Fe	_____
01051	Lead, Pb	<u>20</u>
01055	Manganese, Mn	_____
71900	Mercury, Hg	<u>.3</u>
01062	Molybdenum, Mo	_____
01067	Nickel, Ni	_____
01147	Selenium, Se	<u>220</u>
01077	Silver, Ag	<u>2100</u>
01059	Thallium, Tl	_____
01102	Tin, Sn	_____
01152	Titanium, Ti	_____
01087	Vanadium, V	_____
01092	Zinc, Zn	_____
		mg/L
00916	Calcium, Ca	_____
74010	Iron, Fe	_____
00927	Magnesium, Mg	_____
00937	Potassium, K	_____
00929	Sodium, Na	_____

00310	BOD ₅ , mg/L	_____
31616	Fecal Coliform, #/100ml	_____
34466	Phenol, µg/L	_____

Analysis by: PCH, AMW, JSS, JLB, WC

Report Issued By: WR Fowler

Date Issued: 4-7-82

NOTES:

JE RETIREWELL
RE Northrup
I Worstell

AMERICAN ELECTRIC POWER SERVICE CORPORATION
GENERAL LABORATORY ENVIRONMENTAL ENGINEERING DIVISION

Mail Address
P.O. Box 565
Huntington, WV 25710

Parcel Post and Express Address
1122 Seventh Avenue
Huntington, WV 25701

Company & Facility AP Co, John Amos Plant

NPDES Permit No. (if applicable) _____

Outfall No. (if applicable) _____

Sample Collection: (Date) 4-2-83 (Time) 1535-1635 (Source) Unit 2

Chemical Cleaning Composite

Sample Received: (Date) 4-6-83 (Analysis No.) D83039

STORET #	PARAMETER	mg/L
01022	Boron, B	_____
71870	Bromide, Br	_____
00940	Chloride, Cl	_____
00340	COD	_____
00720	Cyanide, CN	_____
00951	Fluoride, F	_____
00610	Nitrogen, Ammonia, NH ₃	_____
00630	Nitrogen, Nitrate-Nitrite	_____
00620	Nitrogen, Nitrate, NO ₃	_____
00615	Nitrogen, Nitrite, NO ₂	_____
00605	Nitrogen, Total Organic	_____
00665	Phosphorus, P	_____
00955	Silica, SiO ₂	_____
00945	Sulfate, SO ₄	_____
00745	Sulfide, S	_____
38260	Surfactants, MBAS	_____
00625	TKN, N	_____
00680	TOC, C	_____
		µg/L
39516	PCBs	_____
32730	Phenolics	_____
		Misc. units
00403	pH, Lab @ 25°C	_____

70508	Acidity, CaCO ₃	mg/L
00410	Alkalinity, CaCO ₃	_____
50064	Chlorine, FAC	_____
50060	Chlorine, TRC	_____
00900	Hardness, Total CaCO ₃	_____
00556	Oil & Grease	_____
70300	Residue, Filterable	_____
00530	Residue, Nonfilterable	_____
00500	Residue, Total	_____
00505	Residue, Volatile	_____
00740	Sulfite, SO ₃	_____
		Misc. units
00080	Color, Pt-Co Units	_____
00083	Color, Visual Severity	_____
00056	Flow, GPD	_____
00058	Flow, GPM	_____
50050	Flow, MGD	_____
01330	Odor, Severity	_____
00400	pH, Field	_____
00403	pH, Lab @ 25°C	_____
00095	Sp. Cond. µmhos @ 25°C	_____
00010	Temp. °C	_____
00011	Temp. °F	_____
00076	Turbidity, NTU	_____
01350	Turbidity, Severity	_____

STORET #	PARAMETER	µg/L
01105	Aluminum, Al	_____
01097	Antimony, Sb	_____
01002	Arsenic, As	60.
01007	Barium, Ba	<650 *
01012	Beryllium, Be	_____
01027	Cadmium, Cd	<20
01032	Chromium, +6Cr	25.
01034	Chromium, Cr	4,383.
01037	Cobalt, Co	_____
01042	Copper, Cu	_____
01045	Iron, Fe	_____
01051	Lead, Pb	120.
01055	Manganese, Mn	_____
71900	Mercury, Hg	<2.
01062	Molybdenum, Mo	_____
01067	Nickel, Ni	_____
01147	Selenium, Se	<20
01077	Silver, Ag	110.
01059	Thallium, Tl	_____
01102	Tin, Sn	_____
01152	Titanium, Ti	_____
01087	Vanadium, V	_____
01092	Zinc, Zn	_____
		mg/L
00916	Calcium, Ca	_____
74010	Iron, Fe	_____
00927	Magnesium, Mg	_____
00937	Potassium, K	_____
00929	Sodium, Na	_____

00310	BOD ₅ , mg/L	_____
31616	Fecal Coliform, //100ml	_____
34466	Phenol, µg/L	_____

Analysis by: SSS, AMW, J. P. R. C. H. R.

Report Issued By: W. B. Lowrey

Date Issued: 4-11-83

NOTES: Analysis by EP TOXICITY Test PROCEDURE
Federal Register / Vol 45, No 98 p 33127
* Current Instrument Sensitivity

SAMPLE NO. C82165 (to be filled in by waste testing laboratory)

SAMPLING LOCATION John Amos Plant St Albans WVa
name of facility and Company city and state

Has it rained or snowed at this location in the 3 days before this waste sample was collected? ☒ yes ☐ no

SAMPLE TYPE Metal Treatment Pond Wastewater
(examples: pyrites, cooling tower sludge, metal cleaning waste solvent, etc.)

☒ grab ☐ composite

SAMPLE SOURCE Discharge end of pump piping @ pyrite
(Please be specific as possible. Examples: north end of ash pond #2 cooling tower basin coal pile sump, end of sluice pipe, waste solvent drum in east service area., etc.)

SAMPLING DATE 12-31-84 and TIME 1400

SAMPLE CONDITION ☒ Wet ☐ Dry
☒ Watery ☐ Oily ☐ Sludge or Slurry ☐ Solid
contains solvent None (name solvent)

pH at time of sampling 10.5
(if applicable)

SAMPLE QUANTITY (Estimate) 1 liter
number units (gal., lb., etc.)

Describe how material in the container is representative of the entire waste which was sampled: Metal treatment pond was agitated with air to mix pond, before the day of pumping

SAMPLE COLLECTED BY Diane Smith Thomas W Worstell
print name of person and Company signature of this person or supervisor

THIS SHEET MUST BE COMPLETED AND BE ATTACHED TO EACH SAMPLE SENT TO THE WASTE TESTING LABORATORY. A SEPARATE, ATTACHED MEMO WHICH LISTS TESTING REQUIREMENTS (type of analyses, priority, etc.) IS NECESSARY FOR THIS SAMPLE TO BE PROPERLY PROCESSED.

THIS SHEET, OR A COPY, MUST BE ATTACHED TO EVERY FILE COPY OF THE WASTE LABORATORY DATA REPORT FOR THIS SAMPLE. THE LAB MUST SEND FULLY COMPLETED (see box below) COPIES TO THE PERSON WHO SIGNED THIS FORM ABOVE AND TO THE ENVIRONMENTAL DIVISION. THESE FILES MUST BE RETAINED AT LEAST THREE YEARS.

FINAL DETERMINATION (to be filled in by laboratory supervisor). This waste sample is ☐ hazardous ☒ non-hazardous because it exhibits characteristic(s) of ☐ ignitability, ☐ corrosivity, ☐ reactivity, ☐ toxicity or ☐ none of these characteristics as per 40 CFR Part 261.
(To be filled in by waste testing laboratory; i.e., Laboratory Supervisor's Initials) WCR
Huntington Laboratory)



APPALACHIAN POWER CO.

Post Office Box 2021, Roanoke, Virginia 24022

Telephone: area code (703) 985-2300

June 3, 1985

CERTIFIED LETTER

Mr. David W. Robinson, Chief
State of West Virginia
Department of Natural Resources
Division of Water Resources
1201 Greenbrier Street
Charleston, West Virginia 25311

Re: Request for submission of Part B of the permit application
EPA I.D. No: WVD 980554646
Facility Name: Appalachian Power Company, John Amos Plant

Dear Mr. Robinson:

This letter is in response to your letter of May 8, 1985, (copy attached) in which you formally request the submission of a Part B permit application for the Appalachian Power Company - John Amos Plant (APCo).

Appalachian Power Company will not be submitting a Part B application for a hazardous waste management permit. Appalachian Power Company has previously notified the U.S. Environmental Protection Agency (EPA) of this decision, however, the following background information is provided for clarification.

On November 17, 1980, APCo filed a Part A hazardous waste permit application for the John Amos Plant with the EPA. The Part A application was filed as a precautionary measure in order to preserve interim status under the hazardous waste program.

On May 19, 1982, APCo amended it's application to remove the storage and disposal listing for the surface impoundment.

On February 23, 1984, APCo filed a letter with EPA requesting that the Part A application for the John E. Amos Plant be withdrawn since no hazardous wastes had been treated at the facility during the interim status period (copy attached). Since no hazardous wastes were treated, stored, or disposed of at this facility, a Part B application is not required and closure of the facility units is not required.

At the present time, the John E. Amos Plant should be listed as a small quantity generator since no hazardous waste activities are occurring. However, the EPA Hazardous Waste Identification Number will be maintained as a precautionary measure.

If you have any questions concerning this letter, please contact this office at (703) 985-2376.

Sincerely,



Danny L. Gray, P.E.
Environmental Engineer Senior

DLG:d

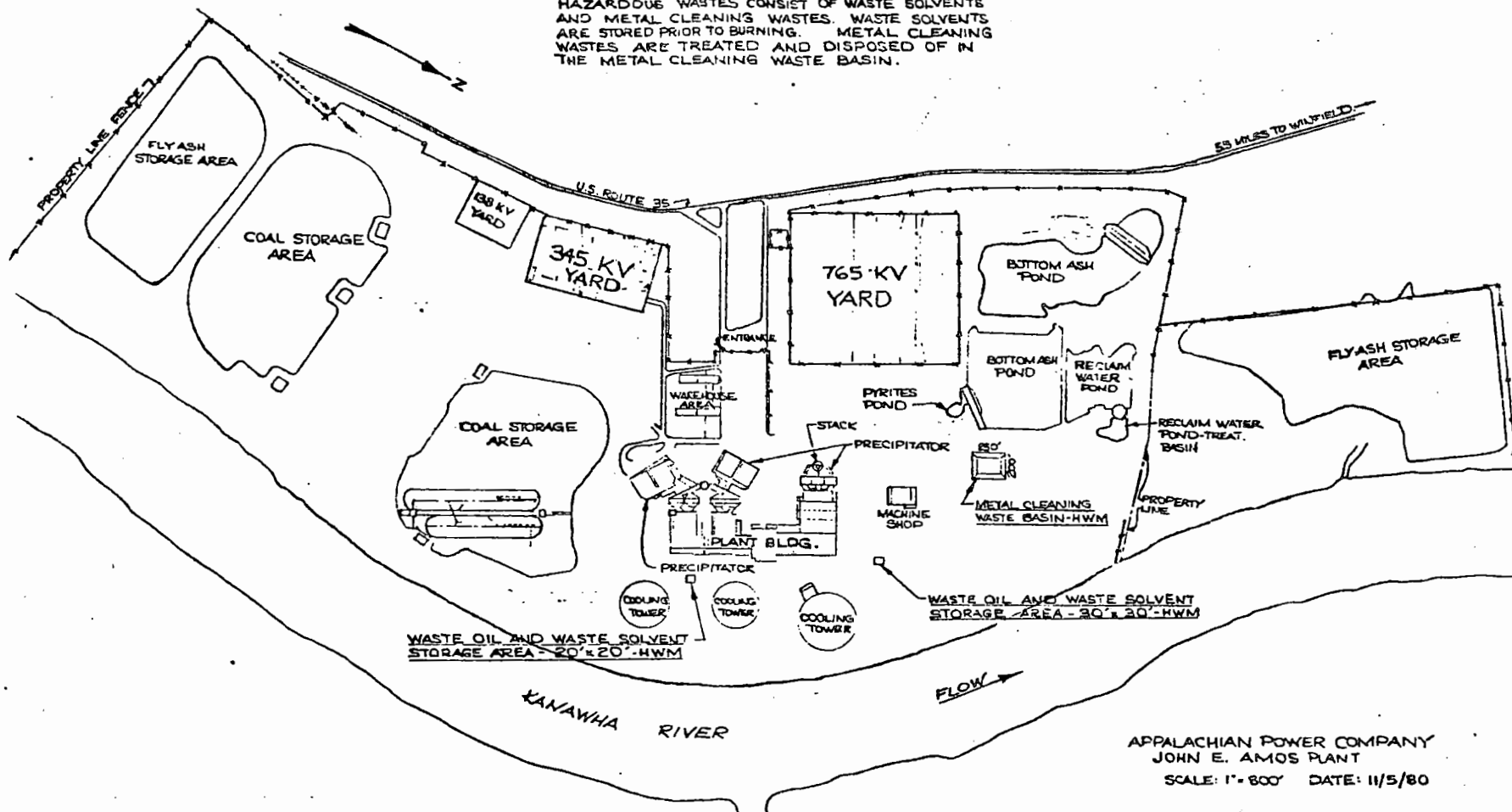
Attachments

cc: Mr. Rik Melvin
West Virginia Department
of Natural Resources
Charleston, WV 25311

bc: G. M. Gillock - Roanoke
R. W. Reeves - Columbus
C. E. Shay - Amos Plant

NOTE:

HAZARDOUS WASTES CONSIST OF WASTE SOLVENTS AND METAL CLEANING WASTES. WASTE SOLVENTS ARE STORED PRIOR TO BURNING. METAL CLEANING WASTES ARE TREATED AND DISPOSED OF IN THE METAL CLEANING WASTE BASIN.



APPALACHIAN POWER COMPANY
JOHN E. AMOS PLANT
SCALE: 1" = 800' DATE: 11/5/80